



The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

Volume 8, Number 6

www.FairLawnARC.org

June 2023

INSIDE THIS ISSUE

- 1 President's Message
- 2 Member Profile – Gio K2GIO
- 5 - 7 FLARC Info Flyer
- 8 - 9 Hamfest Flyer
- 10 Officers, Committees and Assignments
- 11 Kawfee Tawk™ Schedule
- 13 Amateur License Testing – June 17
- 14 June 16th Kawfee Tawk™ Info
- 16 FLARC Info Archives
- 16 FLARC Club Apparel
- 19 Earth Day W2E Special Event Report
- 20 Memorial Day Parade • FLARC Radio Ops
- 22 FLARC Activity Calendar
- 24 Name Badges • License Plates
- 25 FLARC Goes to Dayton report
- 26 Around the Shack – Hal Kennedy N4GG
- 29 In a Nutshell – Fred Wawra W2ABE
- 31 Theoretics – Fred W2ABE
- 33 COØRRC Adventure – James KD2FMH
- 36 Pay FLARC Dues On-Line
- 37 FLARC Membership / Renewal Form
- 38 Renew ARRL Membership via FLARC

- 24 SIG Report - Digital Voice Modes
- 32 SIG Report - DX
- 30 SIG Report - Portable Ops
- 21 SIG Report - Radio Monitoring
- 28 SIG Report - Satellites

- 39 Business Meeting Notes
- 44 Index to Past Member Profiles

From The President

June is a big month for FLARC.

First, taking a brief look backwards, highlights from our May calendar include the Kawfee Tawk on 5/19, Earth Day at Paterson Great Falls on 5/24, and the Memorial Day Parade on 5/29. Many thanks to Ed WX2R for his planning of these events and to Steve KA2YRA who helped organize Great Falls. Band conditions were not good on Earth Day due to a solar storm, but contacts were made, and as always, we had a great time together.

In his usual form, Captain Larry WA2ALY captivated a young audience at the Falls with his CW presentation. Also, we received a very nice letter from James Graff, Superintendent of Recreation and Parks in Fair Lawn, thanking us for our participation in the Memorial Day parade.

Another noteworthy item from May is the Special Interest Group (SIG) brainstorming session of May 31, organized by Education Committee Chairman, Stan K3KKH, at which SIG leaders discussed how to increase our member engagement. Excellent ideas were shared by all, and action items were agreed upon. This meeting resulted from our commitment to act on Ed WX2R's member survey, in which our membership consistently expresses a desire to see our club grow in numbers and reputation. Our SIG leaders have already been hard at work making this happen, and under Stan's guidance, will begin to make an even greater impact through a coordinated effort. Thanks to all who participated.

Shifting our focus forward, our third annual Hamfest is coming on Saturday, June 10 with a rain date of Saturday, June 17. Through the combined efforts of our members, the FLARC Hamfest is an up-and-coming event for the East Coast ham community. Many thanks to our Hamfest Chairman, Gene WO2W for his expert planning and preparation, and to Gene and Ed WX2R for their successful efforts in gaining support from sponsors. Come get involved—we need your help! We will meet at 5 AM at Fair Lawn Memorial Pool on June 10.

Continued on next page.

Member Profile

NAME: **Jeremy Griffel** CALL: **K2GRI**

How did you get interested in ham radio?

Radio communication has truly always interested me. I'd say I first became interested in the art of radio and learning how radio works when I became the communications officer for my volunteer ambulance corps (almost a decade ago).

My push to get my ham radio license came when one of my EMS Partners in NYC pulled into the parking lot with vanity plates depicting his call sign and an antenna on his car. We began talking about Ham radio, and he explained how I could get my license and get on the air. This was around 2015/2016. Unfortunately, I put that on the back burner and moved on with life; but when COVID hit, and not much was open, I began looking into becoming a ham radio operator more.

I studied and took my Tech and General in late 2020 and haven't looked back since!

What parts of the hobby most interest you?

By far, the most interesting part of the hobby so far has been realizing how much there is to learn about ham radio. Most recently, I've begun exploring FT-4 and FT-8 and am always amazed and how conditions and signals can vary so much from hour to hour and day to day.

What other ham related clubs or organizations do you belong to?

When I first became a ham radio operator, I joined quite a few clubs. However, in recent times I have tried to stick with only being a member of FLARC and WECA, the Westchester Emergency Communications Association (Valhalla, NY). <https://www.weca.org/>

What do you do for a living?

I am an EMS Captain for FDNY EMS, currently assigned to the EMS Division 1 Borough Command. On my off days, I volunteer with the Nyack Community Ambulance Corps in Rockland County and run a small On-site CPR Instruction Business.

What does belonging to FLARC mean to you?

How do you/can you better contribute to the club?

Belonging to FLARC has helped me become more active as a ham radio operator. FLARC is a great group and community that helps unite those in the hobby and helps teach those who are newer at it.

Continued on next page.

From The President, continued

Next, please join us on June 16, 2023 at 7:30 PM for a Kawfee Tawk by Gordon W2TTT on Planning Antennas, Feedlines, and Grounding for a ham station.

Also, Field Day is coming! Please plan to join us on Saturday, June 24 and Sunday June 25 for this event – that is arguably the biggest on our calendar. We're grateful that Noel W2MSA is returning as Field Day Chairman. Thanks to those who joined us this past Monday evening for Noel's Field Day planning meeting. If you were not able to attend that meeting but would like to participate, please reach out to Noel directly at noelw2msa@gmail.com

In closing, I'm sorry to announce that, as many of you already know, Steve KA2YRA will be moving to the Binghamton, NY area later this month and will be resigning his position as trustee on June 30. We thank Steve for his invaluable input as a thoughtful, well-spoken member of the board and for his technical expertise in various capacities including maintaining the digital station at the club and procuring a mobile hotspot for use at our off-premises events. Steve also spilled blood (figuratively and literally) for the advancement of our POTA Special Interest Group. We look forward to his continued involvement as an active FLARC member. So far, two excellent candidates have come forward to fill the vacancy Steve will leave and the board will convene to vote in coming weeks.

As always, thanks for all you do to continue building FLARC's reputation as the friendliest club around. To quote a classic: "Be excellent to each other." I wish you all a happy, healthy, and safe summer season, and I look forward to seeing you at the club and at our events.

73,

Dave Corsello, KD2JIP

FLARC President



Member Profile, continued

I'm genuinely grateful for what I've learned on the slack channels and the new concepts that have been introduced to me over my short time as a member so far.

What should be the club's priorities in the next year?

I would love to see FLARC offer classes, such as an Amateur Extra class, to help those who can't learn from studying the questions for the exam.



Jeremy Griffel K2GRI



The "crew" at Fair Lawn Radburn Street Fair

2023 Member Profiles

Month	Name	Call Sign
January 2023	Victor	WA2RCC
February	Tom	KB2ESE
March	Mitch	W2MDE
April	Dave	N3UXX
May	Gio	K2GIO
June	Jeremy	K2GRI
July		
August		
September		
October		
November		
December		

New and Noteworthy

The club's new promotional flyer and tri-fold brochure will make its formal debut at Field Day. You can see both elsewhere in this newsletter.

The club was featured in the June issue of *ARRL Club News* for its continuing partnership with the West Palm Beach Amateur Radio Group (WPBARG).

Ed WX2R has been acting as a public Information officer for HAMSCI, the citizen-science consortium studying ionospheric propagation, and sponsor of the upcoming Solar Eclipse QSO Party in October.

HamSCI
<http://hamsci.org>

Gibraltar in the Log

On May 16th Fred W2AAB and Steve W12W had a successful contact with ZQ2HRH Gibraltar Amateur Radio Club Special Event station.



Fred W2AAB and Steve W12W with a successful contact with ZQ2HRH Gibraltar Amateur Radio Club Special Event station. [Photo tnx W2MSA]

Name Badges Update

As recently approved *The Sign Man of Baton Rouge* is now the approved vendor of FLARC name badges.

Look elsewhere in this issue to learn how to order your badge.

ORDERS CAN NOW BE TAKEN!!

We have also posted this announcement in the groups.io general membership section.



2023 Dues Are Due

Dues for 2023 will be accepted by the club starting on December 2nd with the 2022 Annual Meeting. There are no changes to dues for the upcoming year. Cutoff date was March 31, 2023. But we'll still take it!

Please make checks payable to:
"Fair Lawn Amateur Radio Club"
and send them to:

Fair Lawn ARC
– Attn: David KD2MOB
10-10 20th Street
Fair Lawn, NJ 07410

Please include a member application form with your check regardless of your member status.
It can be found near the back of this newsletter.



HAMFEST 2023

To All the FLARC members,

We have about seven weeks until this year's FLARC Hamfest on Saturday, June 10th. We have been able to line up a great group of sponsors for our event. Let's not let them down.

Now all we need is for ALL our members to come and help make our event successful.

We will begin meeting at 4:45 AM to start setting up for the sellers. If you're not an early riser we will need help all day. Give us whatever time you can.

We also need some people to help transport all our stuff from the club house to the hamfest site. (Large SUV, Trailer)

The staging will take place on Friday night and delivery to the site will be Saturday early morning.

Don't feel strong? Then sit in a chair and collect money at the gate or help at the FLARC equipment tables.

Just please let me know how you can help.

Thank you!

73, Gene genewo2w@gmail.com

More News and Noteworthy

The club has introduced a new "Letters to the Editor" sound off feature starting this month. Take advantage of getting your voice heard on the direction of the club. We will try it out and see how it goes.

Have a read of Fred W2AAB's "The Way We Were" column this month on the history of the Wayne, NJ shortwave station. Fred has put a ton of footwork into this, and it is worth more investigation and promotion. One idea is to have a possible special event station, which will be discussed at the June business meeting.

The new club promotional flyers will be available at Field Day but are included on the following pages. The second item is a tri-fold; both replace pre-pandemic versions. Copies are limited as always for event purposes.



The Fair Lawn Amateur Radio Club

Why is FLARC New Jersey's Most Exciting Radio Club?

Annual and Special Events



- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Day
- Earth and Environmental Days
- Field Trips
- Club Exchanges
- Special Events
- Public Service Activities
- Public Events
- Ham fests and Auctions
- Foxhunts
- Contests
- Youth Activities and more

There Is Something Every Night At FLARC!

Monday: Near and Far Net

Tuesday: DMR Net and Open House at the clubhouse

Wednesday: ARES/RACES Net

Thursday: Tech Net

Friday: Open House at the clubhouse or Kawfee Tawk Speaker Series (Monthly via Zoom)

Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts



Special Interest Groups

- Portable Ops (POTA, SOTA, etc.)
- DX: Chase the rare ones
- Digital Voice: DMR and other modes
- FT8: Plus, other WSJTX modes
- Satellite: Also, for weather interests
- Monitoring: SWL and other listening
- Contesting
- EMCOMM
- Radio Direction Finding
- Raspberry pi, Arduino, 3D P



Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active in-person and social networking
- An extensive video education archive

That is Why FLARC Is the Most Exciting Club Around!

Come join us in-person or via Zoom for more activities, speakers, and projects!

www.fairlawnarc.org (+ Facebook, YouTube, and Twitter logos)

EDUCATION

The club is accredited to administer the FCC license exams and offers a volunteer examiner session every month. The club also participates in various youth activities to develop the next generation of future hams.



See the club website for more details.

WEEKLY MEETINGS

FLARC holds meetings every Friday that are open to non-members and the public. This provides those unfamiliar with Amateur Radio an opportunity to learn about all aspects of the hobby. Club members get the opportunity to socialize and discuss the latest happenings in the hobby. There are also monthly speaker programs, presentations and instructional lectures and a comprehensive monthly club newsletter.

The club is also open on other nights and weekends--see our website for the latest schedule.

FLARC meets at the club's operating station located at the Fair Lawn Recreation Center, 10-10 20th Street. Access is through the front of the building. Handicap access is available.

ANNUAL JUNE HAMFEST and THANKSGIVING AUCTION

FLARC hold an annual ham fest of amateur electronic equipment and supplies in June of each year. It also holds one of the New York area's largest auctions on the Friday following Thanksgiving. The auction is one of the largest in the New York area and attracts buyers from as far away as Maryland and New Hampshire. See the details of event on our website: www.FairLawnARC.org

Fair Lawn Amateur Radio Club

A Real Club with A Clubhouse and Operating Stations

FLARC is one of the few Amateur Radio organizations with a permanent location in northern New Jersey. Our facilities have state-of-the-art operating stations and newly installed antennas.



The club also operates a weekly net:

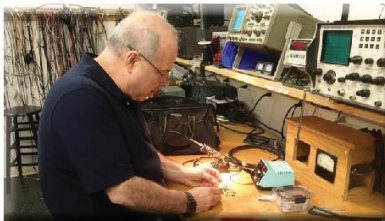
W2NPT Repeater

145.470 input 144.870 output PL 167.9

Also accessible via Echolink Node 300501

Every Monday evening at 8PM

The club also holds nets and Zoom sessions from Tuesday-Thursday. Check our website for more details.



Come and Join Us!

It includes a full test bench with a variety of test equipment including a station monitor, oscilloscopes, and antenna analyzers. For photos of our club and a membership application, go to our website: www.FairLawnARC.org

250 5/2023

Fair Lawn Amateur Radio Club

"Serving Our Community Through Public Service"



Fair Lawn Amateur Radio Club
Fair Lawn Recreation and Community Center
10-10 20th Street • Fair Lawn, NJ 07410
Website: www.FairLawnARC.org
Email: W2NPT@arrl.net
Telephone: (201) 791-3841
Twitter: @FairLawnARC
YouTube: <http://youtube.FairLawnARC.org>

Promotional Flyer Tri-Fold, Page 1

Fair Lawn Amateur Radio Club

The Fair Lawn Amateur Radio Club

provides a wide variety of programs and activities for its members.

The club was founded in 1956 and is one of the largest and oldest continuously operating clubs in New Jersey. With a membership of radio operators among the largest in Northern New Jersey, **FLARC**'s purpose is to encourage innovation in Amateur Radio, provide educational opportunities, foster good will within our communities and have fun in the process.

FLARC, a sponsored club of the Borough of Fair Lawn, has many members who provide vital public service assistance through the Radio Amateur Civil Emergency Service (RACES), the ARRL Amateur Radio Emergency Service (ARES), Community Emergency Response Team (CERT), the American Red Cross and other various emergency services.

FLARC is also active in a variety of public service events providing communications for local Fair Lawn activities including the annual Memorial Day parade and Independence Day fireworks display.

FLARC actively supports the American Radio Relay League (ARRL), which is the largest organization of amateur radio operators in the United States and is the only national lobbying group for radio amateurs in the country.



FLARC is an ARRL Special Service Club -- a club that exists to go above and beyond for their communities and for Amateur Radio. **FLARC** members are leaders in their Amateur Radio communities providing active training classes, technical projects and community outreach while constantly improving operating expertise and capabilities.

Membership is open to anyone interested in Amateur Radio, whether licensed or not. Members need not be residents of Fair Lawn.



Field Day

SPECIAL EVENTS

FLARC demonstrates the fun and utility of Amateur Radio in the community throughout the year. Here are just a few examples:

- **Field Day:** An annual simulated test of emergency communications on the fourth weekend in June at the Memorial Pool in collaboration with other Amateur Radio clubs across the United States and Canada. Also, Winter Field Day in January (date varies).
- **Independence Day Fireworks** (July)
- **Memorial Day Parade** (May)
- **Earth Day** at The Great Falls National Historical Park: The club partners with the National Park Service and local agencies and operates a special event station at the site (April)
- **Local fairs and related events:** The club provides a demonstration of Amateur Radio and an introduction to the club at numerous events in the borough and other nearby towns.

FLARC is always interested in operating in new locations and commemorating special events or activities. If you have an idea or an upcoming event, let us know.

Check our website:

www.FairLawnARC.org for the up-to-date special event schedule.

Promotional Flyer Tri-Fold, Page 2

The GREAT FLARC 2023 HAMFEST!!

Save The Date!
Saturday, June 10, 2023





IT'S COMING!

NORTH JERSEY'S **BEST** HAMFEST!!!



DATE

Don't Forget!



SELLERS

Come Early!



BUYERS

Don't Come Early!

The FLARC HAMFEST

Fair Lawn Memorial POOL, Fair Lawn, NJ (google maps)

NOTE: PARKING LOT CLOSED UNTIL 6 AM -- DO NOT COME EARLY

Buyer's entrance is Bellair Ave & Dewey Place (40.92634, -74.13773)

Seller's entrance is Bellair Ave & Essex Place (40.926636, -74.136867)

Talk in: W2NPT 145.470 -600 KHZ PL 167.9 Echolink Node 300501

1008-822 Dewey Pl, Fair Lawn, NJ



Admission:

\$5.00

Buyers

Admission:

\$20.00

Sellers

For Registration and additional information:

<https://hamfest.fairlawnarc.org>

Wives, Kids and Others are FREE

Price for one 8' x 16' space + 1 admission: \$15.00 online, \$20.00 at the gate. Go to our website for registration and information

Sponsors Include:

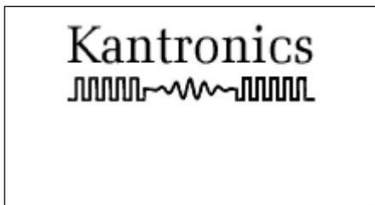
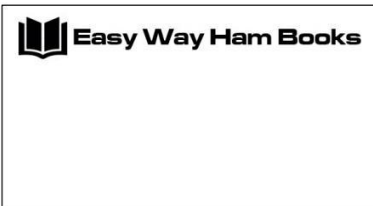
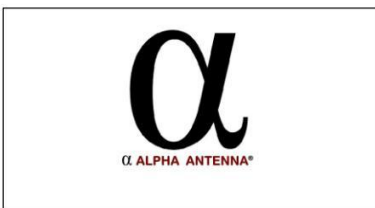
- Alpha Antenna
- ARRL
- Bionenno Power
- CQ Magazine
- DX Engineering
- Easy Way Books
- Flex Radio
- HamSource
- Kantronics
- KB Cubed
- Mastrant Antenna Guying
- MFJ Enterprises
- Seminole Wire and Cable
- Three Mosquitos
- Wayne Electronics

Thank you!!!

As of April 22, 2023



A Thanks To All Our 2023 Hamfest Sponsors!



See You on June 10th!

Sponsors as of 25 April

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Kawfee Tawk scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2023 Officers, Committees and Assignments

President	David Corsello	KD2JIP
Vice President	Lee Smith	KD2DRS
Treasurer	David Gotlib	KD2MOB
Secretary	Jim Jalil	W2KNG
Trustee	Fred Wawra	W2ABE
Trustee	Brian Cirulnick	KD2KLN
Trustee	Steve Rosman	KA2YRA
Field Day	Noel Pagan	W2MSA
	Steve Rosman	KA2YRA
	Steve Wraga	WA2BYX
Member Services		
Health & Welfare	Judith Shaw	KC2LTM
Marketing	Ed Efchak	WX2R
	Nomar Vizcarrondo	NP4H
	Jim Cooper	W2JC
	Dave Corsello	KD2JIP
Program	Ed Efchak	WX2R
Video/YouTube	Thom Guida	W2NZ
Social Media	Thom Guida	W2NZ
	Dave Marotti	NK2Q
Photographer	Giovanni Lucero	K2GIO
Community Relations	Gene Ottenheimer	WO2W
	Dave Gotlib	KD2MOB
	Ed Efchak	WX2R
Hamfest	Gene Ottenheimer	WO2W
	Nomar Vizcarrondo	NP4H
Auction	[open]	
Education	Bill Kelly	NB1LL
	Earle "Skip" Barker	KD2BRV
	Paul Brennan	N6FB
Net Scheduler	Brian Cirulnick	KD2KLN
Contests	Lowell Vant Slot	W2DLT
FLARC Historian	Fred Belghaus	W2AAB
Webmaster	Jim Cooper	W2JC
Technical	Jim Cooper	W2JC
	Paul Cornett	W2IP
	Brad Kerber	KM2C
	Fred Wawra	W2ABE
RACES/ARES Director	Dave Gotlib	KD2MOB
RACES/ARES Liaison	Steve Wraga	WA2BYX
Newsletter Editor	Ed Efchak	WX2R
Newsletter Publisher	Jim Cooper	W2JC
Quartermaster	Brian Cirulnick	KD2KLN
W2NPT Trustee	Paul Cornett	W2IP
NK2H Trustee	Ed Efchak	WX2R

2023 Field Day Update

Field Day is June 23-24.

To date, the Council has agreed we will be operating at the low power level as 4A with four 100w stations, with a strong focus on getting as many bonus points as possible.

I already registered FLARC on the ARRL "find a field day site" map. Gene WO2W has requested and received a permit for Memorial Park and also requested the use of the Ridgewood OEM inflatable shelter.

A Zoom meeting will be announced soon seeking volunteers to take on the various roles necessary to run a successful Field Day. We are looking forward to having a good time socializing, mentoring, learning and getting as many operators on the air in order to work as many stations as possible.

73, Noel W2MSA



Letters:

A New Addition to *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

Here are the grounds rules:

- Please keep all comments as brief and succinct as possible.
- No personal attacks.
- No political rants.
- No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.
- The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.



2023 FLARC Kawfee Tawk™ Programs

2023 Kawfee Tawk Speakers

January 13, 2020	James Gallo	KB2FMH	K7K -- The <u>Kiska Island Dxpedition</u>
February 17, 2023	Ron Block	NR2B	Grounding The Ham Radio Shack
March 24, 2023	Ed Efchak	WX2R	The 2023 FLARC Member Survey
April 21, 2023	Dave de Coons	WO2X	Understanding and Operating Our Flex Radios
May 19, 2023	Ron Wilcox	KF7ZN	A Visit to the Sun and the Ionosphere
June 16, 2023	Gordon Beattie	W2TTT	Planning Antennas, <u>Feedlines</u> , and Grounding for a ham station
July 21, 2023	Pete Sias	N0OY	<u>Tropo Dxing</u> and related subjects
August 18, 2023	Deborah Kerr	KC2GPV	Event Hams: The communications backbone of NYC running events
September 15, 2023	Mitchell R Stern	W1SJ	Improving your operating Skills
October 20, 2023	Joel Wilhite	KD6W	<i>Amateur Television (tentative)</i>
November 17, 2023	Dan Romanchik	KB6NU	Thoughts on Amateur Radio
December 15, 2023	Nomar Vizcarrondo	NP4H	ARRL update



Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

SIG Group Participation as of May 27, 2023

Here is an update on the roster of Special Interest Groups...many groups have increased in size during the last month. About 45% of all members have joined at least one group.

EMCOMM	12
Contesting	14
Digital Voice	32
Monitoring	28
DX	19
FT8	24
Satellite	20
Portable Ops	47
Raspberry pi	7
Direction Finding	5
Radio Astronomy (NEW)	3
FLARC General	166

Sign up for a group... or ...
why not start one?

Contact webmaster@FairLawnARC.org
if you would like to start a new
Special Interest Group.

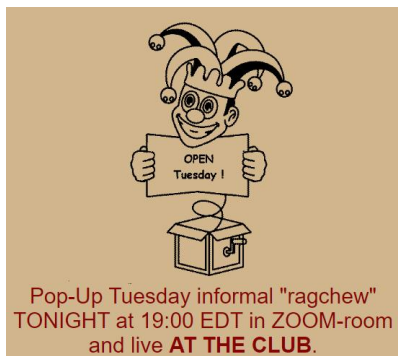
The Clubhouse Is Open Three Fridays In June!!

Date	Clubhouse Status
June 2	CLOSED – Business Meeting at Fair Lawn Senior Center
June 9	OPEN
June 16	CLOSED – Kawfee Tawk
June 23	OPEN
June 30	OPEN



**Pop-Up Tuesdays are now in-person at the club
as well as in the Zoom-room.**

The club will follow all borough COVID-19 requirements for these events.





AMATEUR RADIO TESTING BY THE FAIR LAWN AMATEUR RADIO CLUB

On June 17, 2023 the Fair Lawn Amateur Radio Club will continue amateur radio test sessions on a modified basis.

These sessions will be held at the Fair Lawn Amateur Radio Club.

The location is at 10-10 20th Street, Fair Lawn, NJ

The session starts at 9:15 AM.

A document will be provided to you prior to the date to indicate the time assigned to you.

You must have it with you to take the test.

Prior to Testing:

Send an email to wo2w@arrl.net requesting to book your spot.

PRE-REGISTRATION IS REQUIRED - NO WALK-INS ACCEPTED.

Upon Arrival:

You must have a government issued ID such as a valid driver's license or passport, a filled out Form 605, and 3 filled out copies of the FCC CSCE form.

Please Bring With You:

You MUST bring and WEAR personal PPE items including a face mask.

2 pens and 2 pencils. None will be provided to you, due to possible virus transmission.

Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam).

Additionally, the \$15.00 exam fee. This is payable in cash (exact amount is a must).

For information and scheduling, please contact:

Gene/WO2W

WO2W@arrl.net

Visit our website at www.FairLawnARC.org and <http://bit.ly/FLARC-Testing>



Planning Antennas, Feedlines and Grounding to the Ham Station

June 16th

FLARC Kawfee Tawk™ Series with Gordon Beattie W2TTT

Our own Gordon Beattie, W2TTT has been an active Amateur Radio operator since age 17 in 1975 when licensed as WN2CAM, then WB2CAM while attending Xavier High School in New York City.

After having been a shortwave and AM broadcast listener for over a decade, Amateur Radio provided a rich platform for radio experimentation and service by giving Gordon access to the VHF, UHF and higher bands. His role models were K2RIW, K2UYH, K6YNB/N6NB, W1HQT and others involved in DXing above 50 MHz. It was through his friend and later Best Man, Mike Friedman WB2WNX that Gordon became interested in computers to send CW, log contacts, aim antennas and later, to communicate. Interest in data communications and specifically, packet radio using the Vancouver Protocol and later AX.25 followed. With Tom Moulton W2VY, the ROSE X.25 Layer 3 Network protocol was defined and then implemented by Tom on Z-80 TNCs.

Gordon worked for a decade in the telecommunications side of the financial industry, and after some inquiries about his interest in packet radio, began a 33+ year career at AT&T Bell Labs, AT&T Labs and AT&T as a Member of Technical Staff and a Senior Principal Systems Architect focused on Service Assurance systems and intellectual property development. Gordon is a primary inventor or a co-inventor on over 160 U.S. Patents. Gordon retired from AT&T in July of 2020 and he and Nancy moved to Suwannee County Florida. Their property is "park-like" with a large expanse of open space for antennas and other radio activities.

After two and a half years of "getting settled," his shack and shop are now getting their first revision, but tonight Gordon will present his progress on the outdoor aspects of his evolving station. After living on a 40x100 foot lot in New Jersey for over thirty-six years, Gordon was ready to have a bit of a blank sheet approach to antennas, towers, feed lines, grounding and lightning protection. Many of these measures are applicable on a suburban lot, so have a beverage handy and let's enjoy a presentation and discussion about Gordon's progress and plans.

For more information, please visit the club's website at <http://www.FairLawnARC.org> or call 201-791-3841.

**This video program via Zoom will be held on
Friday, June 16th, 2023 beginning at 7:30 PM EDT.**

The program will last about an hour and will include an opportunity for questions and comments. The link to the presentation can be found here:

Join Zoom Meeting on web

Meeting ID: 871 9030 4080

Passcode: kawfee

<https://zoom.us>

Join Zoom Meeting by phone

Meeting ID: 871 9030 4080

Passcode: 400613

Dial: 646 558 8656

Come with your questions and interest, as this topic is one that many have asked for.

So, save the date – **FRIDAY, JUNE 16, 2023 at 19:30 AM EST** –
for this important and always timely discussion.

When you log in, please show your FIRST NAME and your CALL SIGN.

Pandemic Theatre • June 2023

This is a short piece of 8mm film from W3OK of a Delaware Lehigh Amateur Radio Club Field Day from, I am guessing from the cars, 1950. Hope you all enjoy seeing what ham radio was like in the war surplus era; you could buy a pair of "Command" sets for about \$10 back then on "radio row" in NYC, where the World Trade Center once stood (you could buy them for less at hamfests, if the original owner screwed them up). About three minutes of run time.

<https://www.youtube.com/watch?v=haSYVzkVWvY>

Special Note: *As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your 2021 dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.*

Ok, So It's Not A Baofang

It's not often that one sees a brand new short-wave receiver listed for \$10.76. But there it was, on Amazon.

It is the XHDATA D219 Portable AM FM Shortwave Radio. AM/FM plus three shortwave bands.

It works!! Took it to Dayton to play in the few minutes of spare time I had, and pulled in the BBC from Ascension Island on May 24th. Not a bad daytime shout.

Will it replace my trusty Kenwood R-5000, bought from Gilfer Shortwave so many years ago? No, but it's fun and it's under \$11.00 US.

Ed WX2R



The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to:

<https://archive.org/details/flarc-resonator>

You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

You know our little newsletter is cool.

Now a lot more hams around the world will as well.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>

<http://auction.FairLawnARC.org>

<http://blog.FairLawnARC.org>

<http://calendar.FairLawnARC.org>

<http://events.FairLawnARC.org>

<http://exams.FairLawnARC.org>

<http://facebook.FairLawnARC.org>

<http://news.FairLawnARC.org>

<http://swap.FairLawnARC.org>

<http://tech.FairLawnARC.org>

<http://youtube.FairLawnARC.org>

<https://groups.io/g/FairLawnARC>



Online License Testing!

Are you looking to get your license or upgrade without leaving your home? All you need is a laptop computer with a video camera.

There are number of sites listed on hamstudy.org/sessions These folks will walk you through taking an exam online.

I have worked with both WB5QNG and AA7HW. If you have any questions, please contact me at mStevenk2sab@gmail.com

73, Steven Boston K2SAB

Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at <http://youtube.FairLawnARC.org>

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at <http://newsletters.FairLawnARC.org>

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

<https://fairlawnarc.groups.io/g/main/files>

Renew Your ARRL Dues... Send Free Money to FLARC!

The ARRL has a great program to support affiliated clubs in that it sends part of your dues back to the club if you renew through the club.

So... when you get your ARRL renewal notice, send both your check and your renewal application to David KD2MOB, our trusty Treasurer, who will take care of getting your renewal to Newington and a fat check for \$5.00 back to FLARC.

Nothing can be simpler...
you just have to remember!!

*Print and use the
form on page 38
of this issue of*

The Resonator



Club Apparel — Get Them While They're **RED**!

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget.... they're easy to order.

Go to www.hamthreads.com

or visit <http://apparel.FairLawnARC.org>

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.



It's easy to spot FLARC members
with their red club shirts !

Ham Radio Is Contagious And It Won't Make You Sick!!

2023 FLARC Nets On The W2NPT Repeater:

Near and Far Net Mondays at 8PM

W2NPT and NJ2BS Repeaters

2022 Member Profiles

Here are this year's member profiles. An index of previous years can be found elsewhere in this issue. All profiles can be found in the newsletter archives on the FLARC website.

Month	Name	Callsign
January 2022	James	KB2FMH
February	Brian	N2BTD
March	Luisa	KD2YWX
April	Ria	N2RJ
May	Telly	WW2SPY
June	Ken	W2SCT
July	Avanti	KC3DZG
August	Norm	KB2JRP
September	Ahmed	W2/HC2AP
October	Mitch	KD2IU
November	Mike	KD2YEW
December	Robert	KD2SOG

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such a gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a *Kawfee Tawk* is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the club, and on Zoom.

Visitors **ARE ALWAYS** welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has nearly two hundred paid members.

Dues are currently \$25 per year;
\$20 for new members.

For more information, please see our website, at

<http://membership.FairLawnARC.org>

All content in *The Resonator* is protected by copyright ©2023.
No other use without permission.

Content and opinions expressed by contributors do not necessarily reflect the policies of the Fair Lawn Amateur Radio Club, its Officers or members. Contributors grant express permission to FLARC to distribute articles in this or any issue of The Resonator. Authors also grant express permission for the use and/or repurposing of these articles, in part or in full, in other publications with credit to the original author and to The Resonator. All material is copyright ©2023. Do not copy or reproduce any of this material without the written permission of FLARC.

Thanks!
for your
Support!!

This is YOUR club.... Be a part of it !!

MARKETING COMMITTEE NEWS

The Publicity Committee is now the Marketing Committee and is working to spread the good words about FLARC and help get all members involved. Interested in joining?

Drop a note to wx2r@arri.net.



**FAIR LAWN'S
COMMUNICATIONS CENTER!**
With Our Antennas On The Roof!



Blood Donors Needed In This Time Of Emergency

The Red Cross and related organizations are in great need for blood donations since most corporate blood drives have been cancelled. This has become acute recently.

[Communitybloodservices.com](https://www.communitybloodservices.com)

has a network of offices open during the week and would really welcome folks making appointments to donate blood.



Dear fellow Amateur Radio Operators,

The American Red Cross (ARC) in New Jersey is working on a project where Amateur Radio Operators (HAMs) would support Red Cross internal emergency communications during a disaster. Red Cross sites can be shelters, warehouses, points of distribution, family reunification centers, community reception centers, and other sites where the Red Cross is supporting disaster response and recovery missions.

We are seeking HAMs to support these sites as a backup for conventional communications that may fail during a disaster. This work is in direct support of safety of life and protection of property (47 CFR § 97.403).

Currently, we are only looking for names of operators who would be interested in helping and their location within the state. The how will come after we know the who.

We are looking for HAMs to work as partners, either as an individual or with an organized group (club, ARES, RACES). We are not looking to take anyone away from their other committed roles that they would perform for their communities.

We have split the state into three territories, North-Central-South, each containing seven counties, with communications being provided within the territories and the state.

The Red Cross will provide free disaster training to better understand what we are doing, as well as drills and exercises. Your commitment will be to attend training, drills, and exercises when you are able to and based on your ability to participate at the time that a disaster strikes.

If you are interested in helping or learning more about this opportunity to use your amateur radio license in support of emergency communications in New Jersey, please fill out the form, at the link below.

73, ARC Assist Committee

Ed K2BED • Mike KC2UOA • Peter S, not yet licensed • Bill NB1LL

Form is at <https://forms.office.com/r/tqmB8cBV3F>

FLARC May 20, 2023 VE Testing Results

With VE testing back on schedule, Gene W02W reports the following results:

Name	Call	License Earned
Stuart Kim	KD2FTR	General
Pawel Durak	KE2BDZ	General
Mark Cotugno	KE2BKY	Technician
Speros Lakkas	KD2RHK	General
Michael Schreck	KD2WKD	General

Testing for June will be at the
Fair Lawn Recreation Center - with "Covid Restrictions."

See page 13 of this Resonator copy, and also the
FLARC website for the latest details.

11 Special Interest Groups [SIGs] Already Formed: Any Others?

A new SIG—Radio Direction Finding—has started under the tutelage of Bob KD2BKD. Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoItYourself (DIY)/Makers kit building, 3D printing and similar topics – also managed by KD2BKD.

A list of all of the current SIGs is shown on page 11.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*
- *Technical assistance to club members*

Anyone interested in leading any of these groups...?

Please contact webmaster@FairLawnARC.org

Earth Day at Great Falls National Historical Park

The calendar said late May, but Earth Day was celebrated on the 24th by the National Park in conjunction with local Passaic County schools. FLARC has now participated on six occasions along with several local non-profit and environmentally based organizations. The club ran the activity as a special event (W2E) and POTA operation.

Although the bands were poor, we did have a lot of fun with the longest DX being N2AAM's contact with our friend Bob Zanotti HB9ASQ serendipitously from Switzerland on the repeater. The kids and adults had a great time and our Captain Larry WA2ALY had over sixty one-on-one Morse lessons with the kids. We managed to engage a few youngsters who had an interest in engineering or science but, as always, the encounters were brief due to time.

A thanks to our many volunteers who gave their time to make this event a success: KD2YEW, WO2W, WA2ALY, KD2JIP, KD2KLN, W2JC, N2AAM, W2DLT, KD2GKA, N2BTD, W2SCT, W2KNG, KD2BRV, KC2ORX, N2SU, N2IIU, KB2FMH and WX2R. Who did we miss?? Special thanks to Jim W2JC and Steve KA2YRA for helping to put together this event.



Brian N2BTD waiting for the bands to open.



"How do we get the bands to open?" ponders Steve KA2YRA.



Larry WA2ALY works his Morse magic.



Getting ready for the students' arrival.

Note: *The Resonator* does not publish pictures of children for privacy reasons.



A Successful Memorial Day Parade

Once again this year, FLARC provided the communications for the Fair Lawn Memorial Day parade. Under absolutely beautiful Spring weather, the club turned out in force and provided a relatively seamless communications effort.

The following were our Radio Ops in the parade (L to R):

Jim Cooper - W2JC
Dave Corsello - KD2JIP
Thom Guida - W2NZ
Skip Barker - KD2BRV
Gene Ottenheimer - WO2W
Bill Ledger - WA2WL
Judith Shaw - KC2LTM
Fred Wawra - W2ABE and
Madison Feinberg - N5NY
Ed Efchak - WX2R [photographer, not shown]



Bill WA2WL gets ready for the parade



Skip KD2BRV and Dave KD2IP in Group 2

Thanks also to Stan Sanders, KC2K and Jim Breheny N2JLF who stood by if necessary on the side.

Radio Monitoring Special Interest Group Update

monitoring@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in SWL and other radio communications monitoring.

As part of a project for HAMSCI, I am compiling a list of all SWL related websites, newsletters, and social media for the purpose of creating publicity to get SWLs listening and reporting on conditions to the bands (mostly AM) during the October 14th annual solar eclipse.

I thought that there would be just a few outlets for hobbyists, but I was astounded by the sheer number of resources available for SWLs. Think that this facet of the hobby is dead? Think again. What is interesting is that while there is no longer a mainstream print magazine devoted to the subject, content has evolved ad hoc around the hobby and word moves around quickly.

It is too easy to predict that this will also happen to the amateur segment. QST is expected to move to semi-print or digital only. CQ, I suspect is also mostly digital today. Advertisers are abandoning print books and placing digital ads around relevant content; it should really be no surprise.

The message here is that if you think there are no places to keep in touch with SWL activities, look at this list and start following them.

Then turn to the non-amateur bands again and have some fun with Cycle 25.

SWL Content Sources -- June 2023

Facebook Groups	Where To Find:
Official SWL Channel	Facebook
Shortwave Listeners Around The World	Facebook
Union of Asian DX'ers	Facebook
WRTH World Radio TV Handbook	Facebook
Shortwave Radio Station Listening	Facebook
Extreme Shortwave Listening	Facebook
Ontario DX Association	Facebook
National Radio Club	Facebook
AM Radio Broadcasters and DX'ers	Facebook
Medium and Short Wave	Facebook
I Love AM Radio	Facebook
Twitter Feeds	
Shortwave Radiogram	Twitter
Hardcore DX	Twitter
Shortwave Central	Twitter

Continued on next page.

Radio Monitoring SIGroup, continued.**Web-Based Content**

Prime Time Shortwave	Web based
C. Crane Co.	Web based
short-wave.info	Web based
eibispace.de	Web based
Canadian International DX Club	https://www.cidxclub.ca/
International Radio Club of America	ircaonline.org
SWLing Post	swling.com
Radio HF Internet Newsletter	hfnewsletter@groups.io
DX Central	https://www.dxcentralonline.com/

Print

National Radio Club	Nationalradioclub.org
---------------------	--

YouTube

International Radio Report	Gilles Létourneau
----------------------------	-------------------

Podcasts

International Radio Report	Gilles Létourneau
----------------------------	-------------------

Other / Multi Media

World of Radio	worldofradio.org
Denmark	https://mediumwave.info/
United Kingdom	https://mwcircle.org/

2023 Upcoming FLARC Sanctioned Activity CALENDAR

Wednesday	May 24th	Great Falls National Historical Park, Paterson
Sunday	June 4th	Radburn Street Fair (Tentative)
Saturday	June 10 th , 2023	FLARC Hamfest
Sat & Sun	June 24 – 25, 2023	Field Day 2023
Week of August 9th		W1AW/2 VOTA FLARC On The Air (Clubhouse and home QTHs)
Friday	September 15th	POW/MIA Commemoration Day (Clubhouse)
Saturday	October 14th	Solar Eclipse QSO Party (Clubhouse and home QTHs)
Sunday	October 15th	River Road Street Fair (Tentative)



The 2023 FLARC Monitoring SIG Medium Wave Daylight DX Challenge.

This is an idea "borrowed" from The NJ Antique Radio Club (Thanks!!) and brought to you by the FLARC Monitoring SIG. Let's have some fun on good old AM.

Sunday, August 27, 2023

1800-2200 EDT

Here are the rules:

- Frequency range is the medium wave band: 520-1710 kHz
- 6 pm to 10 pm local time
- Any radio with any antenna, but must be the radio at your location (no using remote internet radios)
- The listener must hear the signal in real time.
- The stations must be ID'ed by *listening* to the signal.
- Your report should include:
 - Your name (or call sign)
 - Your receiver and antenna (stay with the same setup from beginning to end; if you use multiple setups, provide a separate entry for each).
 - Your location (you could be geographically remote); for example, on vacation.
 - The time, the frequency, and the ID of each station heard
- WINNER DETERMINED BY: **The total mileage of your top five most distant stations.**

WINNER RECEIVES: \$25.00 Gift Certificate to Wayne Electronics



Lafayette HA-63 Communications Receiver

v02

Digital Voice SIG Update



DigiVoice@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in Digital Voice modes (Digital Mobile Radio) communications and software.

DMR nets are becoming more active on Tuesday evenings at 7:00pm, Bradmeister TalkGroup 310015 only. Those with DMR radio and hotspot are welcome to join in.

Those who would like to but do not know how, join the group and ask, we will help. We would like to thank Brad for the use of TG 310015.

There is also a FLARC "digital-voice" channel on slack for "real time chat" and a sub-group on our host at

<https://FairLawnARC.groups.io/g/DigiVoice/>

For those interested in joining all the Digital Voice excitement, go to the club website <http://FairLawnARC.org> and use the "Join Special Interest Group(s)" link on the left.



Ordering Your FLARC Name Badge

It's super easy to order your FLARC name badge:

1. Go to www.thesignman.com
2. Look at the right rail:
Choose "Clubs and Groups ORDER"
3. Click letter "F"
4. Choose "Fair Lawn ARC"
5. Select your badge by completing the order form
6. Place your order.

It's that simple. Show your colors and support for the club by getting your badge!



Get Radio-Active!

Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a \$15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or (toll free in NJ) 888.486.3339 to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. or find the form and detailed instructions at:

<https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf>



FLARC Goes to Dayton

If it's May, it's Dayton and several FLARC'ers made the annual pilgrimage. Whether you were going to work, look for stuff, attend the forums, or just go to be educated – Dayton is always the place to be.

A few of our regulars sadly couldn't make this year. But we did catch a few glimpses in-between the 32,000 or so hams who showed up.

Make your plans early for 2024.



L to R: Ria N2RJ, Ed WX2R, Nomar NP4H and Brian KD2KLN



Pete W2IRT (L) and James KB2FMH (R) on Saturday



Nathaniel W2NAF, Angel W3PR from the Arecibo Radio Telescope and Ed WX2R at the Hamsci booth



Van W2DLT soliciting just a few new members to FLARC!



Contest University students

Around the Shack

Hal Kennedy N4GG

Minimizing Field Day Inter-station Interference – An Approach

The Approach in a Nutshell

Erect a 25 foot vertical, 500 ft away from the transmit antennas. This non-resonant antenna is for receive-only, to be used by all the rigs on HF bands.

Connect the vertical to the shack with 500 ft of RG6/U. Connect the shack end of the coax to the receive antenna jack on the rigs. You will need rigs that have this capability.

Construction Notes

I've made this antenna by taping #24 speaker wire to a telescoping fiberglass pole as I pushed it up. At the bottom I've used four 25 foot radials made from the same wire. At the top I've used 50 lb fishing line coming down at roughly 45 degrees as guy wires. It's wise to tie a few streamers onto the guy wires to keep people from walking into them. The radiating wire, radials and a coax connector can be soldered together prior to arriving at FD.

If you can't manage 500 feet of separation then get as much as you can.

The vertical should be 25 feet tall plus or minus a foot or two. At this height the antenna is not resonant on any of the ham bands and is sufficiently tall to provide adequate signal strength.

500 ft rolls of RG6/U are surprisingly inexpensive. Home Depot sells them for \$48. I bought mine on eBay for \$36. See Figure 1.



Figure 1. A 500 foot reel RG6/U. \$48 at Home Depot

Two people can deploy the coax by sticking stout screwdrivers or a piece of pipe into the center hole of a 500 ft reel and walking it out. When you run out of cable, that's where the antenna goes.

If possible, the broadside of horizontal antennas such as dipoles and Yagis should face the vertical. If the physical layout of the site won't accommodate that, get as close to perpendicular as you can. **This is counterintuitive.** More on this below.

Connect the shack end of the feed line to the "receive antenna" jack on the rigs. Multiple rigs can be connected in parallel. The connection can be daisy-chained from one rig to the next or split using tee connectors. (An exception to this is if you have one or more Elecraft K3s on site. K3s short the receive antenna jack when transmitting. To feed multiple rigs when there is one or more K3s, splitters (Magic-Ts) will be needed.)

A preamp at the base of the vertical is not absolutely necessary but is helpful, particularly if there are a lot of rigs involved. I have used a DX Engineering model RPA1; unfortunately these are no longer produced. [Note: If you ever see one, buy it.]

Any high dynamic range preamp will do. The preamp can be powered by a battery or by +13.5 VDC sent down the coax using a T-power insertion device (MFJ-4116). If you power the preamp via the coax, **USE A LINEAR SUPPLY for the +13.5 VDC source.**

Bandpass Filters as an Alternative

Single-band BPFs are a good approach. In many cases however, 40 to 45 dB of isolation is about their limit and that's barely enough. Most (not all) antenna orientations at FD are good for 10 to 20 dB of isolation, so 40 dB from a BPF and another 10 to 20 dB from antenna separation works okay. All the antennas will be within each other's near-field however. Results can deviate widely from modeling predictions and from experienced-based expectations.

Continued on next page.

Around the Shack, continued

BPF cons:

They are expensive and you will need five – one for each band (six if you want to operate on 160).

They are fragile. If you transmit into one on the wrong band you stand a good chance of damaging it. As an example - someone moves from 20 to 40 meters and forgets to change the BPF. Transmitting on 40 into a 20 meter BPF can damage it. The ability to repair BPFs seldom exists at FD. Countless BPFs have come to my workbench for repair, typically right after FD and major contests. You have to remember to move BPFs from rig to rig - a pain in the neck.

The advent of GOTA stations has caused the desire to, at times, run two rigs on the same band at the same time. BPFs do not address this scenario, a distant receive vertical does.

Why should a vertical face a transmit dipole's broadside lobe?

Horizontal dipoles and Yagis have two attributes we tend to accept without question. These are:

- 1) the peak radiation occurs broadside to the wire or driven element and,
- 2) the radiation from a horizontal dipole or Yagi is horizontally polarized.

These attributes are, however, only first-order approximations. To minimize interference at FD, every dB of isolation counts. First-order approximations are not sufficient to get a vertical antenna and a horizontal dipole oriented to maximize isolation.

Horizontal dipoles produce some vertically polarized radiation. The vertical radiation from a horizontal dipole comes off the ends, not broadside to the wire. The peak vertically polarized radiation is approximately 20 dB down from the peak horizontally polarized radiation and that's large enough to matter if we are trying for the maximum isolation possible.

Figure 2 shows the radiation pattern for a 40 meter dipole 30 feet above the ground. The figure shows the radiation pattern in a way we seldom look at it – with the horizontally and vertically polarized components shown separately.

The peak vertically polarized radiation occurs perpendicular to the peak horizontally polarized radiation. There is a deep null in the vertically polarized radiation broadside to the wire.

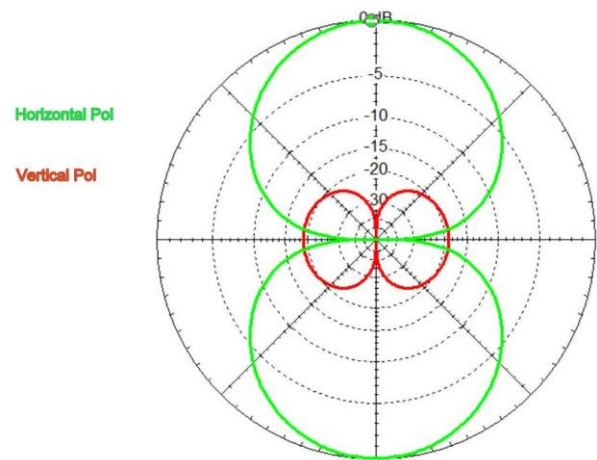


Figure 2. The horizontally polarized (green) and vertically polarized (red) radiation from a 7 MHz dipole, 30 feet high

In the figure, the dipole wire runs horizontally across the middle of the chart. The large green lobes are broadside to the wire – this is just as we expect for a dipole. But, look at the red lobes. Those are the vertically polarized radiation lobes.

Placing a vertical receive antenna in the vertical radiation null yields the best isolation.

Some Closing Notes

To further reduce inter-station interference, use the best rigs you can get. By “best” I mean those with the highest blocking dynamic range. The latest rigs (SDR hybrids) such as the FTdx10, FTdx-101, FLEX 6700 and Elecraft K3S are examples of high dynamic range radios. You can use Rob Sherwood’s receiver test data to find the rigs currently at the state-of-the-art:

<http://www.sherweng.com/table.html>

The FD rules state: “All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet).” The receiving antenna described here could be put as far away as 1,000 ft from the rigs and still meet the rules. (The rigs on one edge of a 1,000 ft circle, the receive-only vertical on the opposite edge). I’ve used this antenna at several FDs with 500 feet spacing and that has proven to be sufficient.

Training operators to set the rigs to the receive antenna is problematic – it’s an easy thing to miss. Most rigs store the antenna selection, by band, in memory. Every band on every rig has to be set to the receive antenna input.

Training operators to change BPFs is also challenging, and mistakes have dire consequences!

Satellite Special Interest Group Update

Satellite-SIG@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in amateur radio satellites, as well as others like weather, GPS, etc..

We welcome everyone interested in all types of satellite communications. Some interests are AMSAT, ARISS, receiving weather maps from satellites, APRS via ISS, and much more.

Status of ISS ham radio stations as of February 23, 2023:

Columbus Module radio:

Kenwood D710GA (CONFIGURED) mode is for cross band repeater (145.990 MHz up {PL 67} & 437.800 MHz down). It is powered off during docking and undocking of crafts.

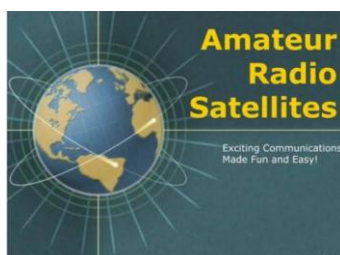
Service Module radio:

Kenwood D710GA (CONFIGURED) mode is for packet operations APRS (145.825 MHz up & down). It is powered off during docking and undocking of crafts.

For current status of ARISS:

<https://www.ariss.org/current-status-of-iss-stations.html>

For those interested in joining Satellite-SIG, just go to the club website www.FairLawnARC.org and use the "Join Special Interest Group(s)" link on left.



New to Satellite Chasing ...

I'm pretty new to satellite communication and I'm having a blast learning the process of working stations via satellites.

So far my gear consists of a very simple setup. The antenna I'm currently using is an Arrow dual band handheld yagi with a built in low power duplexer that fits in the boom/handle.

The radios I've used so far are the Baofeng UV5r, Yaesu VX5r and a Yaesu FT-5d.

What I've learned is that in order to know if you're making it into the satellite you either need to have two radios or a radio that has full duplex capabilities, meaning that I can transmit on one VFO and receive on the other simultaneously.

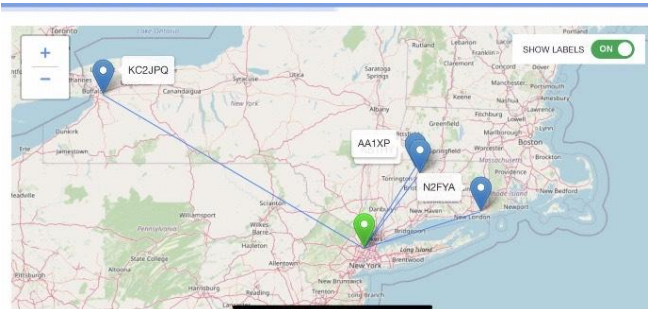
So I began to search for HTs that have full duplex capabilities and I found a very nice Icom W32A in mint condition.

So far I've made several contacts on the SO-50 and CAS-3H satellites.

If you've never operated satellites you must try it and enjoy the fun!

73,

Noel W2MSA



An Update from WPBARG — June 2023



A big hello from all of us here!

Summer can get pretty hot here in South Florida. As the summer approaches, May will be our last month for *Saturday in the Park* until the Fall. We will try a Summer version, which will be appropriately named: "Saturday at the American Legion."

We will be setting up temporary antennas and operating from inside the air-conditioned space at Post 47 in Lake Worth. Both Richard Smith and I do a lot of work with the American Legion. Richard is the Commander for Post 47 and I am the District Commander for the Sons of the American Legion.

Next month, we will be participating in Field Day. This is something I and many of our members never have done. We will be doing a smaller scale version, with an emphasis on learning and having fun. We will be looking forward to working you!!

We are currently focused on building relationships in our community. We have several irons in the fire.

One of those projects is our youth outreach. We reached out to schools in our area and have at least one right now interested in our beginning a program with them in the Fall. We will be building a syllabus around a fox hunt.

We have similar youth outreach plans with the Boy Scouts of America. Our Secretary, Randy KO4WTM, previously held leadership positions in the BSA; and our Vice President, Marcos KK4OPI, is an Eagle Scout. So, look for more on that in the future.

Finally, a close on a sad note. Recently one of our members, Kevin KM4RYN, passed away last month at an age far too young. We are doing several things in the wake of that, so I thought I would just make a brief mention of it.

Be well my friends.

73 from Mike K1WX

President, WPBARG

In A Nutshell



It is that time again for Hamfests, Field Day, and Fireworks. The weather has broken and so far, the temperature went from cold evenings where heat was needed to the 80s and 90s during the day and 70s at night.

A lot of outside work has been going on by myself and many others. Up by me here in Lake Hopatcong, we have had, and are having, problems with some aggressive bears! I have been told that bears have even been sighted in more populated areas.

This has made it necessary to have cameras to check for wildlife before you go outside in the early morning and evening, and even during the day!

Ham radio wise, the 75-meter band has been very difficult to be on in the evenings. However, when I have been on the air on 75, it has been a delight to talk to people across the country.

At this time of year, it is necessary to disconnect the antenna, and the linear AC power plug. The radio and the tuner are powered by DC supplies, so the problem is not so critical.

Anyway, better safe than sorry.

73,

Fred Wawra W2ABE





FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc. The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

There is more to Portable Ops than just POTA activations at parks... another aspect, for the more ambitious, is SOTA — Summits On The Air. Yes, that means climbing to the peak of a summit, with your rig and batteries and antennas and whatever else ... and setting up at the top of the summit to make QSOs. "CQ SOTA" tells the world what you are doing.

Noel W2MSA recently did his first SOTA 'activation' at High Mountain, and shared some pix with us:



Here's Noel W2MSA with his rig and antenna



Close-up of Noel's setup and banner

POTA in Puerto Rico

While on vacation to Puerto Rico with my daughter and son I had the pleasure to meet up with two good friends, Danny WP4F and Osvaldo KP3N — who Nomar NP4H introduced to me over a year ago, but I've never met in person. They were nice enough to have me meet with them for a POTA activation at Cerro Gordo State Park (K-7557) in Vega Alta. This park has a beautiful beach area that my daughter and son were able to enjoy and a fantastic camping area which was elevated, overlooking the ocean from where we were activating from.



The view at the park was amazing and the weather was hot. Even though the bands were not good, we still made enough contacts to make a successful activation. Overall I was very happy to meet up with them. We played radio, ate some traditional food they brought for me to try and had a bunch of laughs.



Special thanks to our FLARC Portable Op's who tried their best to hunt me while on the air.



Friendship through amateur radio has shown me again how special this hobby is. Join our Portable Op's SIG and have fun operating portable on the air. 73, Noel W2MSA

Continued on next page.

Theoretics Demystified

-- Fred Wawra W2ABE

The earth's magnetic field is something that we take for granted, and it defends our planet from the ravages of the solar wind and cosmic radiation - thereby making life on our planet possible. It is a dynamic system that is constantly changing and every ten years or so there are what are called geomagnetic jerks, which are abrupt changes in the strength of earth's magnetic field, so called 'magnetic jerks.'

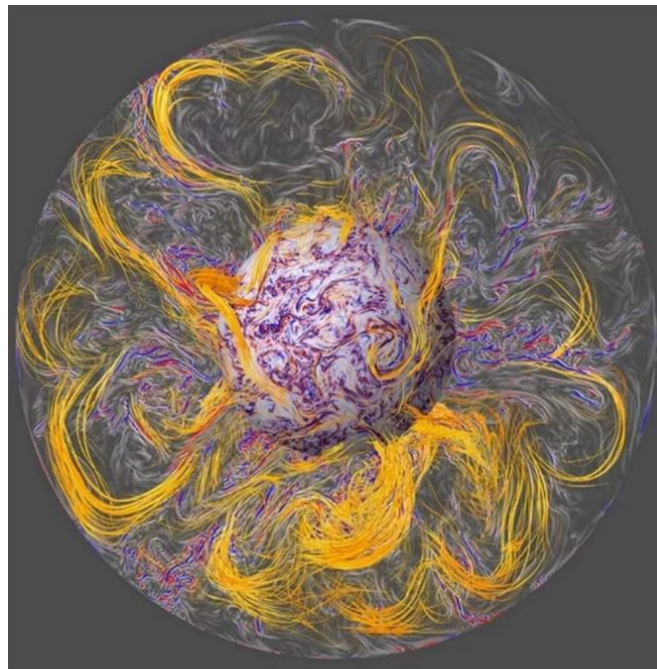
The magnetic field of the earth is constantly in the state of flux (pun intended); some variations take place over thousands of years while the sudden changes may last only a few years at most and may alter the magnetic field over specific parts of the globe at a time.

The first recorded 'Jerk' was in western Europe in 1969 and since then there have been others about every ten years or so. These sudden magnetic shifts are not the same as the Northern Lights, which are caused by the solar winds hitting earth's magnetosphere. The geomagnetic jerks are thought to be caused by large areas of iron shifting deep inside the earth's core. This is speculation at this point since it is impossible with today's equipment to verify what is going on in earth's mantle, beneath the crust.

A computer model suggests that buoyant blobs of molten matter are moving inside the earth's core. The computer model is the best we can do at this time, but at least it is a start.

The effects of these 'abrupt' magnetic changes may be a sign of things to come, like longer days (like a skater whose outstretched arms slow down the rapid spin). This might make our days longer for some period of time. These changes would be subtle, like a few milliseconds over a few years' time! These magnetic sudden shifts make predictions of the actions of the magnetosphere difficult to predict. The weather is difficult to predict, and predicting a magnetic field's future is even more difficult.

Following is a visualization of how magnetic anomalies inside the earth's core can affect the magnetic field surrounding the earth. Turbulent waves (in red and blue) twist up the magnetic field, shown in orange, into intense activity. The illustration is from *Live Science*, which I heartily recommend.



This visualization of Earth's core shows how turbulent waves (shown in red and blue) twist up the planet's magnetic field lines (orange) into pockets of intense activity. This mysterious phenomenon is called a geomagnetic jerk. (Image credit: Aubert et al./IPGP/CNRS Photo library)

Hope that you found this topic interesting, since our radio propagation is dependent on magnetism and how the atmosphere reacts to it.

DX Special Interest Group Update



John Crovelli W2GD wrote to the FRC list --

The geopolitical landscape has certainly changed the past three decades. And so has technology, in particular, the ability to use high speed internet connectivity virtually anywhere on the globe at any time.

Government entities are increasingly hostile and reluctant in granting permission for DXpeditions to land and live on what they consider 'fragile' endangered ecosystem locations. The difficulty negotiating with US Fish and Wildlife to operate on any island under their control is well known and exceptionally arduous (took ten+ years each for K5D and KP1). Time and time again their primary objection is the possible damage (or danger) that might take place when eight to ten people set up camp for an extended period on one of their precious islands. A tiny fraction of their bluster is true, but most of it is simply the way they justify not dealing with our requests seriously.

The RIB (Rig In a Box) initiative came about to overcome the objections just described. RIB has been well thought out and developed by AA7JV over the past few years. Multiple proof of concept tests have helped refine the design to the point where it's ready to deploy without reservation. George Waller, AA7JV is a renown genius electrical engineer and exceptionally accomplished in just about whatever he has done (look him up on Google). The Northern California DX Foundation has also seen fit to fund development of RIB. Bottom line, time and again, it is the camping out part that government officials object to most strenuously and this solution is a viable compromise.

Going forward, RIB may be the only way to achieve an activation. When deployed, one to three operators are there off shore on the boat, controlling the operation through sophisticated monitoring systems.

They still need to return to the island often to refuel and perform maintenance. Is there something sacred about the operating team sitting in front of radios on an island? I think not. It's not as romantic perhaps as the good ole days ... but it does fulfill all DXCC rules.

So which would you prefer? Working one of these stations possibly for ANTO, or not having an activation at all? Again, remember it's 2023 folks ... time to adjust our thinking to be in line with where we are today and what's possible.

James KB2FMH wrote:

Dealing with the FWS in getting on Kiska last year was complicated, but not impossible despite it being a wildlife sanctuary and WW2 memorial with live ammo strewn about and the potential to stumble upon human remains that may still be there. We had to agree to not touch Anything, not Take anything, not disturb anything.

We were limited in where we could setup camp, dispose of waste, make any fires (if we could find dry wood small enough to move). We could not feed any wildlife from our food, intentionally or by accident, not discard any food item with seeds like a fruit or vegetable - essentially it was to follow the Leave No Trace protocols that I learned in the Boy Scouts.

In trying to get access to Rose Atoll off American Samoa, we'd be required to perform needed work there such as stabilizing the weather station, mapping the coastline with a GPS device, collecting any Floatsam that we find washed ashore and of course, carry out All things brought. All things, including our own waste from a week of living there and eating. And, access is granted at three year intervals; so if a group that has been penciled in goes this year, we wait to 2026. If they do not go in 2023 we have it in 2024.

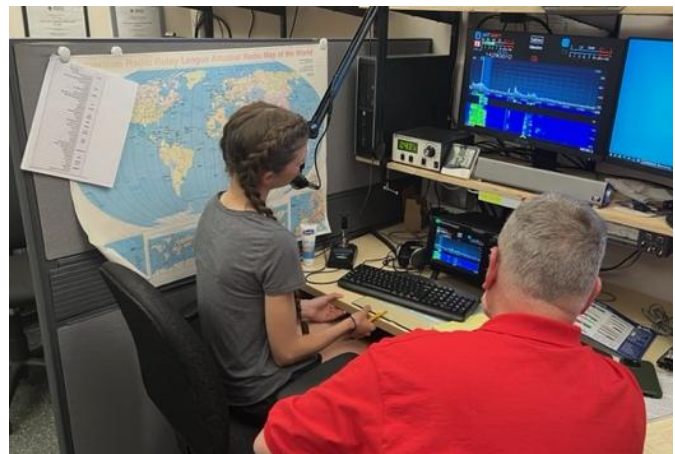
What I'm wondering is how the heck are operators going to get onto Rockall Island for the pending expedition? There is no mention of a helicopter and it looks impossible to climb!

It isn't easy to have fun, but worth it once done.

— • • • —

Nostalgia: Presentation of DXCC award to FLARC

<https://www.youtube.com/watch?v=4eLGIHme3NA>



Renee KD2JEZ (L) & dad, Lee KD2DRS at Position 4. Renee worked Bermuda and Nova Scotia among her contacts from W2NPT.

My great adventure at COØRRC – Cayo Coco Island, Cuba

After my first Real DXpedition to Kiska Island (K7K) in July of 2022, I thought “this is terrific” – but the constant wetness and cold wind did not make for any sort of comfort.

I’d camped in many different locations and conditions as both a young Boy Scout and adult volunteer leader, but camping on a volcanic island in the middle of the Bering Sea was a bit much for this old Ham!

If you have ever seen the TV reality show Deadliest Catch, you’ll understand the Bering is the roughest body of water on the planet due to the freezing Arctic currents coming down through the Bering Straits mixing with the warm currents coming up from the South Pacific Ocean.

I’d thought I was done with expedition adventures as I was not well known in that world and had no other experience except my Parks on the Air activations to local parks in and around NY, NJ and PA - which in themselves are like Mini expeditions, but I was always in control and could leave at any time by simply driving home. Not so with a real Expedition, where one is very far from home and civilization in general.

Then, sometime in January of 2023 I got a message from the team leader of the Kiska adventure, Yuri N3QQ, who has put together many difficult expeditions over the years with the Russian Robinson Club (sometimes impossible ones), asking what I thought about a trip to the South Pacific. He had eyes on an expedition to a little piece of land sticking out of the ocean called Rose Atoll, off American Samoa. I said “Sure” and he and I began our inquiries. After many emails and phone calls to the US Fish and Wildlife Service, which manages the Atoll, we learned that another group had been given permission for an expedition there and we’d have to wait until 2026 – as they only allow visits at 3 year intervals.

I was upset but Yuri said “Don’t Worry, we’ll find another place” - so I let it go and had almost forgotten about another expedition when an email came in mid-February.

This time it was not a “Let’s try to go here” but rather “We are set to go to an island off Cuba” for the 30th anniversary of his club, the Russian Robinson Club, of which I’d become a member after activating Kiska Island the year prior.

At first I was a bit apprehensive due to what I, as a US citizen, had heard about Cuba all my life. The stories we’re told are of crime, corruption, scary prisons and the likes. Yuri assured me that was just propaganda and when he was there for the 20th anniversary in 2013 it was a great place with great people.

I asked: How can I go there, or yourself for that matter, if there are sanctions prohibiting anyone from the US from traveling there. He said he had a plan and just trust him, which I did.

Upon learning I’d need a passport I realized mine had long since expired, so I scrambled to renew it and prayed I’d get it on time. With great luck I received the new one by mid-March and filled out some paperwork which gave me a limited travel visa and booked my flights.

Now I began to feel both excited and anxious as I had never traveled outside the US since 1985 and still had, in the back of my mind, fears about Cuban rebels kidnapping me for ransom – thinking I’m some rich American.

As it got closer to departure day I grew more and more apprehensive; what should I bring, how much money will I need, don’t want to bring too much to be robbed, too little to be short if needed. Only cash is good there – they do not accept US credit cards because they will not get paid – thanks to the sanctions imposed by our US Dept. of State.

There was no turning back though, I’d booked my flights and Yuri had secured a small hotel for us in a city called Moron, a quaint little town reminiscent of the 1950s with old, beautiful buildings in pastel colors and old American cars straight out of the movies.

I was met at the airport there in Camaguey (the G is silent) by the two local Cuban Amateurs that were to operate with us, by agreement with the Cuban Telecommunications Administration.

To my surprise these were two of the nicest people I’d ever met, and I’ve been around plenty of people in my life. Jose C02XN and Raul C08ZZ had secured a taxi for us and had already loaded their equipment, so we threw my bags in the back and headed out. We drove for almost two hours to get to Moron where I checked in and chatted with the amazingly pleasant woman, Mavel, who ran the small rooming house.

After some coffee we then headed to the hotel where other members of the RRC were staying on the Island of

Continued on next page.

My great adventure at COØRRC, cont.

Cayo Coco itself. They came from Russia so they had no restrictions on what hotel they could stay in. It was a magnificent resort on the beach in the Caribbean Sea.

We met in the lobby and proceeded to one of the rooms they'd secured for the Shack, right there on the beach. The remaining equipment came shortly after with Yuri, who'd come from Washington State via Canada. We spent the next day building antennas (mostly resonant VDAs and an inverted L for 80 meters) literally yards from the shoreline. VDA antennas work best when adjacent to water. We set up two FT8 stations with 1KW Juma amps and two Human Mode stations with SPE Expert 1.5K-FA amps. We eventually got up a 6 meter yagi and put a radio and amp into it for FT8 and CW.

I am a phone operator so I was designated the primary SSB Op, with Jose as my partner, which was good because he could take the pileup after I was exhausted, as he is an experienced contesteer who can handle any pileup like a champion, and I'd take it from him when he couldn't talk anymore.

The first few days were slow thanks to a Sun fart but by the fourth day the bands opened wide, and we had pileups so heavy from 10 down to 40 meters you'd think we were on the moon!

Having operated only from the NY metro area for years I was thrilled by the propagation characteristics afforded from an island just north of the Equator and was taking calls from China to Siberia and everything between, all strong in signal strength and reports back were 10 and 20 over 9 for us, thanks to KW plus amps and antennas on the beach. Another of our team, Vlad R9LR, even set up a satellite station on the roof and took over 100 contacts in a few short hours.

This was a far cry from the frigid environment of Kiska Island, sleeping in tents with howling winds all the time!

Being on Cayo Coco Island was surreal, with comfortable beds, full restrooms, cooked food with coffee and drinks at our desire. Back at Yuri's and my hotel, our hostess cooked us delicious meals as well, and we took advantage of the little pool there during the night before sleeping comfortably.

We spent as much time on the radio as possible until there were no more callers, then after a few hours the conditions would come back, and it was off to the races with massive pileups. Many callers began sending videos and audio recordings of how we sounded in different parts of the world, and it made us feel good, that we're making people happy who

had recently experienced disappointment with a previous expedition that was unable to operate as planned.

We closed with just under 14 thousand contacts, evenly split between FT8 and SSB/CW, which was great in our eyes. Sure, others make bigger numbers but given the atmospheric conditions we did OK.

Another bonus was that upon learning where we'd be operating – the hotel used for stations was government owned and within a Cuban National Park, I had it added to the **Parks on the Air** database with its own unique identifying number — so besides being an IOTA entity, NA-086, it was now also POTA entity CO-0005. This brought the power of almost 38,000 global POTA members into the fray and perhaps that is why the pileups were thousands deep for hours on end.

One of our friends that sent a recording said it seemed as if every ham on the planet was calling us at the same time and even working spread split was rough in pulling out calls.

Being very active in POTA with hundreds of activations, I knew many of the calls coming in and most of them knew me and would ask "Is that You James?" to which I'd reply jokingly Yes, you caught me! I cannot hide anywhere with my unique voice, operating style and strong Brooklyn accent. Sometimes I'd stop the pile short and briefly chat with friends I knew well but that wouldn't last long as the waiting callers would "Prompt" me to get back to it and take more calls.

All in all, I had a great time and met some wonderful people, especially our two local Hams Jose and Raul who I became fast friends with — to where I was invited to come in March to operate with the Las Tunas Contest Crew for the ARRL SSB DX contest, at their club station on a different beach.

My feelings for Cuba are now such that I can't wait to return and will do my best to honor their invitation.

I must thank my friends Yuri N3QQ and the President & founding member of the RRC – UA90BA (*also named Yuri*) who was there for the big anniversary celebration, for letting me have this amazing experience as a recent member of RRC, for which I am grateful.

My parting words to them, as we headed to our respective airports going home, was the ubiquitous phrase: "*Where do we go Next?*"

James Gallo, KB2FMH

73 and Good DX...

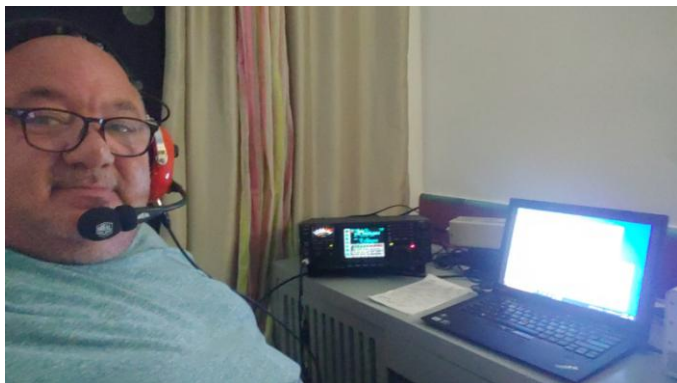
Continued on next page.

My great adventure at COØRRC, cont.

To see other photos and videos, visit our COØRRC QRZ page and scroll way down the page.



Ocean view from the room above the ground floor shack



The satisfied look of having just finished off the pileup!



James KD2FMH (L) & Raul CO8ZZ (R)



Raul CO8ZZ (L) & James KD2FMH (R)

Raul is the ham who Van W2DLT knows from his trip to Cuba a few years ago. Raul is the founder of the Las Tunas Contest Crew, T48K



James KD2FMH using his paper memory!



Vlad R9LR on the roof making satellite QSOs



Everyone posing for the "team photo"



For FLARC membership info and renewal/application form please visit:

membership.FairLawnARC.org

FLARC Dues, new and renewal, (and even donations!) can now be made on-line ...

[Please note that this is a temporary improvement while Dave KD2JIP works on a real, full-fledged web page for filling out the membership/renewal form and submitting that and payment on-line.]

Payments can be made using either PayPal or Zelle.

Here's how –

Using PayPal —

Log into your PayPal account at

<https://www.paypal.com>

At top right, select "My PayPal"

Under Quick links, select "Send Money"

In the window showing
Name, email or mobile number
enter this email address:

1947xyzabc1947@gmail.com

Click on [Next]

Enter \$ amount you are sending, & in "add a note" area type in your CALL SIGN and which year (2020 or 2021) the dues are for, & any other explanation.

Click on [Continue]

Click on the [Change] button

Click on "Sending to a friend" link

CONTINUED IN NEXT COLUMN —>



Sending to a friend

No fee to use bank or balance to send to friends and family in the U.S.

You will see a summary of your transaction; if no changes are required, click on

[Send Payment Now]

to complete your transaction.

\$

Using Zelle —

If you are using Zelle through your bank account, just send your dues to the following number: 201-240-9317

Don't forget to add in the note/message section your callsign and that it is for your 2020 and/or 2021 dues.

OR you can still use a good ol' Check or Money Order payable to FLARC - always put

For a PDF form that can be filled in on-line, then printed and mailed with check, [CLICK HERE](#)

Or you can print this page, fill it in and mail to the address shown at the bottom.



Fair Lawn Amateur Radio Club

Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410

MEMBERSHIP/RENEWAL FORM

Name _____ Call _____

Address _____ PO Box _____ Ste./Apt # _____

City _____ State _____ Zip _____

Roster Published Phone # _____ Unpublished Phone # _____

Roster Published EMAIL _____ License class: _____

Check all that apply ☒ ARRL Member ? ☒ RACES Member ? ARES Member ? CERT ? VE ?

Additional Family Members (In same household) --

Name _____ Call _____

Name _____ Call _____

Introductory and Student Membership \$ 20 \$ _____
(Students under the age of 18 eligible for student membership)
(Introductory membership open to new members
or not a member in last 7 yrs)

Associate Membership * (No Fee)
* Open to Fair Lawn Residents Only. No voting rights or other privileges.

Renewal of Current Membership \$ 25 \$ _____

Three Year Renewal Incentive \$ 65 \$ _____

(Single memberships only, family memberships excluded)

Additional Family Members # _____ at \$ 5 each \$ _____

Life Membership \$ 625 \$ _____

Senior Life Membership (65 yrs. of age or over) \$ 250 \$ _____

Equipment Fund Donation, above regular membership dues \$ _____

Total submitted \$ _____

Date _____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn ARC
– Attn: David KD2MOB
10-10 20th Street
Fair Lawn, NJ 07410

Complete this form for NEW or RENEWAL ARRL membership and give to FLARC Treasurer [David Gotlib KD2MOB] with your payment check.



ARRL Affiliated Club Membership Application

- ☐ I am a brand-new member, or my membership lapsed for 2 or more years. My club will receive a \$15 commission.
☐ I am renewing (includes lapsed members of less than 2 years). My club will receive a \$5.00 commission.

Name _____ Call Sign _____
 Address _____
 City _____ State _____ ZIP _____
 Email _____ Phone _____
 Date of Birth ____ / ____ / ____

- ☐ My Family Member is Joining or Renewing: (Annually \$10 per member)

Name _____
 Name _____

Your Annual Membership Dues –

Circle Your Choice

	3 Years	2 Years	1 Year
US Membership	\$140	\$95	\$49
International (Digital Only)	\$140	\$95	\$49
International (with mailed QST)	\$217	\$147	\$76
Blind	\$30	\$20	\$10
Family	\$30	\$20	\$10
Student			\$25

TOTAL \$

Choose your print magazine –

Check One

- ☐ **QST**, ARRL's membership journal for active radio amateurs (12 monthly issues)
☐ **On the Air**, Beginner-to-intermediate-level help and advice (6 bimonthly issues)
☐ **Digital Only** (All members can access the digital versions of both magazines)

Payment

Enclosed is my: ☐ Check ☐ Money Order ☐ Charge Request

Charge to my: ☐ Visa ☐ Mastercard ☐ Amex ☐ Discover

Card Number _____ Expiration Date _____

Card Holders Signature _____

Toll Free (US) 1-888-277-5289 or 860-594-0200 • ARRL, 225 Main St., Newington, CT 06111-1400
 membership@arrl.org • www.arrl.org/join

June 2023

FLARC Business Meeting

FAIR LAWN AMATEUR RADIO CLUB

MINUTES BUSINESS MEETING

Fair Lawn Senior Center

June 2, 2023

President Dave KD2JIP called the meeting to order at 7:30 PM. At his request the members present in person rose and recited the Pledge of Allegiance.

The President asked the Club Secretary, Jim W2KNG, to call a role of the officers and Trustees. The Secretary called the following, each of whom responded as "present":

President,	Dave, KD2JIP,
Vice President,	Lee, KD2DRS,
Treasurer,	
Secretary,	Jim, W2KNG,
Trustee,	Steve, KA2YRA,
Trustee,	Fred, W2ABE and
Trustee,	Brian, KD2KLN.

Dave, KD2MOB, Treasurer was absent.

The Secretary confirmed to the President that a majority of officers and Trustees were present and a quorum existed in order for the meeting to proceed and business be conducted.

The President then asked for a motion from the floor for the approval of the minutes of the business meeting held May 5, 2023. There was some discussion about a proposal to adopt a budget for Field Day which was not reflected in the minutes. The Secretary responded that the motion made at the May 5 meeting had been withdrawn and tabled. Since that proposal would be taken up at this meeting, it was decided that the minutes as circulated would stand. Thereupon on motion duly made by Brian KD2KLN and seconded by Judith KC2LTM the motion to accept the minutes of the meeting held May 5, 2023 was unanimously carried and the minutes approved.

The President then asked for the Treasurer's Report. Dave, KD2MOB was not present but had sent in a report which was read by the President, which gave a status of all accounts. The President also reported on the status of our digital accounts, including acknowledging a one cent earned interest. Upon motion duly made by Brian, KD2KLN and seconded by Skip, KD2BRV, the Treasurer's Report was unanimously approved.

The President then presented his report to the members. He reported that in attendance was a long time member, Frank WB2CGB, who had been away from the Club for some time, but has come back to the Club. Frank was warmly welcomed back. The President then reported on Earth Day at Paterson Great Falls which was a resounding success. HF conditions were not great, but that did not dampen the success of the day. Jim, W2KNG then acknowledged Captain Larry's excellent work in demonstrating Morse Code to children and how well that went. The President then reported on the Memorial Day Parade and read a thank you letter from James Graff, Fair Lawn Superintendent of Parks.

The President then reminded everyone of Field Day and deferred discussion until Noel W2MSA joined the meeting.

The President then asked the Chair of the Education Committee to make his report. Stan K3KKH reported on a meeting held last Wednesday among 8 Special Interest Group (SIG) leaders to discuss a number of ideas.

Continued on next page.

June 2023 FLARC

Business Meeting, continued

Among these were that each SIG leader will put together a sort of “job fare” to introduce new members to the activities of the SIG, with the intention of sparking their interest. Also each SIG leader will put together a list of “Help Me to _____” questions so new members will be able to find specialized assistance. Further, each SIG leader will put together a one page information sheet for the web page or a flyer -- with a background of the leader, the leader’s picture and a description of what that SIG does and how to join and participate. There will be a future effort to hold a tech-day to get techs involved on 10 meters. Finally the Education Committee will send the Resonator to new hams whose contact information we have through the VE Sessions. Also the Committee will have flyers about FLARC to hand out at the VE Sessions.

The Member Engagement Committee then gave its report. Fred W2ABE reported that he has several people lined up with whom he will set up a Zoom meeting to go through the data sheets he has put together to make sure they are accurate and compete. The next step would be to reach out and call inactive members, making them aware of what is happening with the Club, the SIGs available to them and attempting to rekindle their interest and involvement in the Club.

Lee KD2DRS then reported on the Youth Committee. He reported that he will be reaching out to educators and others in Fair Lawn and that will be the main focus for the moment.

Lee KD2DRS then reported on a new SIG, Radio Astronomy. Lee gave a very full and interesting description of Radio Astronomy, pointing out for example that light waves from beyond the earth’s atmosphere are often corrupted as they travel to the surface of the earth. That is not the case with radio waves. Therefore radio can be a much more desirable way to see the universe. Lee then gave a brief history of Radio Astronomy beginning with the earliest discovery of extra-terrestrial radio waves in New Jersey in 1933. He also noted that the famous ham, Joe Taylor K1JT, received a Noble Prize for his work in radio astronomy. Jim W2JC reported that this SIG has been added to the web page.

Jim W2JC then gave a series of reports. The first was on the web page. He noted that upcoming club events can be found on the main FLARC web page. As part of that, an Info Banner had been posted for the Sunday Radburn Street Fair. He then moved on to his Postmaster report. He reminded the members that if anyone is not getting club emails, please contact him. In addition to private members’ emails there are three sources of club emails:

1. mail to main@fairlawnarc.groups.io goes to everyone, while mail to “subgroups” of our groups.io goes to group members;
2. mail from the calendar robot goes to everyone, these are reminder emails for club events, and
3. MailChimp.com is used to “bulk mail” club messages to large mailing lists such a club members, other clubs, friends, etc.

Jim W2JC then moved on to his QSL Manager report. The Club did not receive any new QSL cards from the incoming buro this month. He reminded all members to log all contacts made from the club station, W2NPT, in the paper logs. He noted that the Club sometimes gets requests for QSL cards from people working towards various awards. If he cannot find the contact in the log it causes a problem for the ham who is looking for the QSL confirmation. Especially important is to log clearly any DX contacts and most especially new DXCC entities. If the contact is not logged it cannot be entered into LOTW and the Club will not get DXCC credit for that entity.

As Event Coordinator Jim reminded the members that if anyone schedules an event for the Club or a SIG, please let Jim know so he may put the event on the Club calendar and send out email reminders. Jim can be contacted via email at W2JC@arrl.net

Reporting on the DX SIG, Jim went on to note that radio conditions generally have been good and they are getting better. The groups.io is being used for general DXing information, while the SLACK channel allows for real

Continued on next page.

June 2023 FLARC Business Meeting, continued

time communications among Club members to make them aware when a new or rare DX station is on the air. As to the FT8 SIG, several members have been bitten by the FT8 bug recently and are getting lots of help from members of the FT8 SIG.

Judith KC2LTM then reported on Health and Welfare. She reported that she had sent out two cards in the last month, one to the family of Richard Powell, a Silent Key and one to Bill Hudson who is very ill.

The President then read a report from the Chair of the Marketing Committee, Ed WX2R. The first item was Kawfee Tawks. The upcoming programs are as follows :

June 16, 2023 Gordon Beattie W2TTT Planning Antennas, Feedlines, and Grounding for a ham station

July 21, 2023 Pete Sias NØOY Tropo Dxing and related subjects

August 18, 2023 Deborah Kerr KC2GPV Event Hams: The communications backbone of NYC running events

September 15, 2023 Mitchell R Stern W1SJ Improving your operating Skills

October 20, 2023 Joel Wilhite KD6W Amateur Television (tentative)

November 17, 2023 Dan Romanchik KB6NU Thoughts on Amateur Radio

December 15, 2023 Nomar Vizcarrondo NP4H ARRL update

The report noted great feedback from Ron KF7ZN May KT on his presentation on the Ionosphere. The next items in the report were events. Upcoming events are as follows:

W1AW/2 VOTA station—Week of August 9, 2023. Fred W2AAB is co-chair with Van W2DLT, Ed WX2R and Jim W2JC. The Club will need operators from the club station and any members' QTH during this week long event. Please remember to keep a log (digital preferred). W2JC added that during that week ARRL Rule provide that the Club cannot have two stations on the same band on the same mode at the same time. So maintaining a schedule is imperative. Do not operate if you are not on the schedule.

The next upcoming event is The Great American Eclipse: October 14, 2023. This is a QSO Party and WSPR participation, either at the Clubhouse or your own QTH.

POW/ MIA Day is Friday, September 15, 2023. This will be held at the Club.

As to Field Day: Promo plans in place with press release/news coverage, VIP invitations, event placements, etc. are in place.

The next item in the report was Community Relations. The report noted the Fair Lawn Street Fair: June 4 in Radburn. We are good on volunteers—thanks!.

The report also touched on the West Palm Beach club partnership. Next joint station participation is planned for mid-Summer. WPBC has posted their recent activities in this month's Resonator. We would like to get a monthly Zoom exchange going after Labor Day. The report noted a very favorable ARRL Club News story on our partnership, published in the May 2023 edition. Lastly the report contained a reminder that Members can now order FLARC name badges from The Sign Man of Baton Rouge (who also serves many other clubs). They look spiffy and can be ordered with a variety of fasteners for about \$23.00 each. See details in The Resonator or google "Sign Man of Baton Rouge" and look for FLARC.

The President then asked Gene WO2W to report on Community Relations. He reported that Jim Graff was very happy with the Club's efforts at the Memorial Day Parade and reminded FLARC about the upcoming fireworks.

Continued on next page.

June 2023 FLARC Business Meeting, continued

Gene then reported on the hamfest. At this point we will give away 15-16 door prizes. The sponsor response has been better than ever. Gene reported on various members who have volunteered for various roles and reported that he was very grateful for everyone who has responded. He asked for 6-8 gallons of tap water which will be used to make coffee and wash hands. In all the hamfest is very well organized at this point.

The President reported that we need Internet Service for the hamfest. He will work with Steve KA2YRA on that. We have to be sure of Internet range from the hotspot. The President asked for a list of the door prizes. Gene reported on the value of some of the door prizes. Gene said he would send the list to the President.

The President then asked Noel W2MSA to report on Field Day. Noel reported that there will be a Zoom call on Monday, June 5th at 7:00pm to discuss Field Day and finalize preparations. All members are invited. We are set with permits and have the shelter from the Ridgewood OEM. Gene reported on when the shelter will be delivered and when it will be picked up. All in all we are in good shape at this time.

Steve WA2BYX had previously inquired about a budget for Field Day. This led to a brief discussion about the appropriateness of a budget, should the budget be for specific purposes or just an overall budget. After some discussion there was a motion made by Lee, KD2DRS and seconded by Jim, W2KNG that the Club budget \$1,500 for the general use of Field Day. The motion was unanimously passed and carried.

Jim W2JC then suggested that in the future any member wanting to bring a motion before the meeting to please submit the motion in writing prior to the meeting so the motion can be properly understood and considered.

Brian KD2KLN then reported on net activity for the previous month.

Van W2DLT then reported on contests. He stated that other than the VHF contest, summer was a very quiet time for contests so nothing much is going on at the moment.

The President then asked Paul W2IP to report on the Technical Committee. Paul said he did not have much to report, but did report that he made entries for the Club on **Repeaterbook.com**, so all that is fully updated. There is nothing new to report on the antennas on the roof. Paul also reported on the Memorial Day Parade and noted that if someone is calling, please answer. Also if your radio is not working etc., please let people know. We have to look professional and organized to make a good impression. In the future perhaps he might be able to get headsets to make communications easier. He also noted that using the Senior Center for business meetings was a very good thing and suggested we continue using it.

Jim W2JC noted that the hurricane season has begun and we have a beam on the roof that is unprotected. This led to a discussion of efforts to engage a professional antenna installer to work on it, and the difficulties in procuring such a firm. Some suggestions were offered and the matter will be followed up on.

Fred W2ABE returned to the topic of the Memorial Day Parade and some issues in coordinating with the police, especially in the lead car. This led to a discussion of ways to address this in future parades though nothing specific was proposed or carried to motion.

Steve WA2BYX then reported on ARES/RACES and reminded the members that the nets were open to all members and invited people to join in the net Wednesday at 8:00pm.

Gene WO2W then reported on VE Sessions in May. There were five candidates and all passed. Three went from Tech to General and two obtained their Tech license. Fred W2ABE then asked Gene to send him contact information as to these hams.

The President then reported that he and Lee KD2DRS had been discussing the pressing need for succession planning. Passwords and data that are essential to the Club need to be preserved and documented somewhere. In addition we have senior members who can mentor younger members to assure leadership continuity. This will be a continuing topic, so more on this later.

Continued on next page.

June 2023 FLARC

Business Meeting, continued

The President then reported that over the last couple of months members of the Club have received warnings from members of the Fair Lawn Rec. Center Staff on issues from noise, to members wandering in public areas, etc. One person seems to be particularly nasty and targets members of the Club. The President asked that if anyone is approached by a Staff Person, please make sure to get that person's name, document the incident and report it to the President. There seems to be a problem brewing and we need to address it and nip it in the bud. This led to a discussion of relations with the Staff over the years, including perceived RFI with sound systems emanating from our club station and how that was addressed and handled in the past. That does not seem to be a problem at the moment, however. It was suggested we have a clear understanding of the schedule at the Rec. Center for plays, shows, etc. so we may work around that. One suggestion was that perhaps we should not wear our red shirts when we are in the building to be less conspicuous.

Upon motion to adjourn the meeting made by Lee KD2DRS and seconded by Brian KD2KLN the motion was unanimously approved and the meeting was adjourned at 8:50 PM

Respectfully Submitted

Jim Jalil W2KNG, Secretary



Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

Month	Name	Call Sign
January 2016	Pete	KB2BMX
February	Marco	KC2ZMA
March	Ron	KC2TBD
April	Kai	K2TRW
May	Larry	WA2ALY
June	Dave	N8MAR
July	Steve	W12W
August	Thom	W2NZ
September	Brian	KD2KLN
October	Brad	KM2C
November	Al	WA2OWL
December	George	W3EH
January 2017	Fred	W2ABE
February	Dave	KD2MOB
March	Randy	WU2S
April	Lee	KD2DRS
May	Gene	WO2W
June	Carol	KD2NMV
July	Kevin	KC2KCC
August	Robert	KD2NOG
September	Robert	KD2BKD
October	John	KD2NRS
November	Fred	W2AAB
December	Margaret	W2GB
January 2018	Brian	KD2OAZ
February	Bennett	KO2OK
March	Van	W2DLT
April	Aly	ALØY
May	Bruce	NJ2BK
June	Dave	N2AAM
July	Karl and Susan	W2KBF and W2SKT
August	Steve	KA2YRA
September	Paul	K2PJC
October	Skip	KD2BRV
November	Jim	W2JC
December	Tom	N2AAX

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office.

Thanks Randy!!!

2019-20 Member Profiles

The year is now complete and here is a list of the 2019 & 2020 monthly profiles. See past profiles elsewhere in *The Resonator* to check back in the archives to see each featured member's background.

Month	Name	Call Sign
January 2019	Dave	KD2JIP
February	Jim	K2ZO
March	Zach	KC2RSS
April	Bob	N2SU
May	Stan	KC2K
June	Steve	WA2BYX
July	Roger	K2RRB
August	Judith	KC2LTM
September	Chris	W2TU
October	Bob	N2SU
November	Bob	WA2ISE
December	Carol	KD2NMV
January 2020	Gordon	W2TTT
February	Chris	KD2JQZ
March	Glenn	KD2MDR
April	Steve	K2SAB
May	Ahmed	NJ8Y
June	Charlie	AC2ZU
July	Jim	N2JLF
August	Walt	K3DQB
September	Gregg	N2ECH
October	Jim	W2KNG
November	Dave	KD2SGM
December	Bill	NB1ILL

2021 Member Profiles

Here is a list of the 2021 monthly profiles.

Month	Name	Call Sign
January 2021	Ed	KD2TVT
February	John	W2USN
March	Noel	W2MSA
April	Gene	KD2VNI
May	Berlotte	KD2MYF
June	Noel	N2OEL
July	Roy	KD2VMX
August	Jeremy	K2GRI
September	Bill	WA2WL
October	Nomar	NP4H
November	David	AC2GL
December	Paul Brennan	N6FB/MØJOV